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relatively great amount of child health work by the Public Health Service was made possible by the ability of the Service to utilize not only its trained personnel in child hygiene work in connection with their regular duties in other fields of public health, but also the trained personnel of State and local health agencies and auxiliary volunteer agencies. Such procedure is both feasible and economical because of the intimate interrelationship of all health problems.

DIPHTHERIA IN THE UNITED STATES.

The accompanying table shows the number of reported cases of diphtheria per 1,000 population by quarters, from January to June, and by months, from July to October, 1921, compared with the same periods during 1920, and the medians for 1913 to 1920, inclusive.

The median was ascertained by arraying the figures so that the greatest number was first, the next smaller number was second, and so on to the smallest number, which was placed last. The middle number of the array was then selected as the median. Data were not available for all the States for the full eight years. As many years as possible were included for each State, but no year earlier than 1913 was used. The first column shows the number of years for which figures were obtained for each State.

The estimated populations on which the rates were computed are as follows:

	Number of States.	Estimated population.
1921	41	90,907,540
1920	40	87,602,619
Median, 1913–1920	39	85,489,347

For comparison the death rates per 100,000 population in the registration area for deaths are shown in the following table:

Diphtheria death rates per 100,000 population in registration area for deaths 1913–1920, inclusive.

1920	15.3	1915	15.7
1919	14.7	1914	17.9
1918	13.9	1913	18.9
1917	16.6		
1916	14.5	Median	15.5

Diphtheria—Annual case rates per 1,000 population, January to October, 1921 and 1920, and medians for the years 1913 to 1920, inclusive.

Geographic division and State.	January, February, March.	April, May, June.	July.	August.	September.	October.	10 months.
NEW ENGLAND.							
Maine:							
1921	1.20	0.87	1.07	0.51	0.90	1.83	1.05
1920	.61	.48	.73	.47	.48	1.86	.68
Median (5 years)	.40	.29	.27	.42	.35	.85	.39
Vermont:							
1921	.74	.74	.75	1.02	1.47	1.81	.94
1920	.78	.60	.61	.44	.51	1.19	.69
Median (7 years)	.80	.63	.75	.68	.88	1.36	.80
Massachusetts:							
1921	2.56	1.99	1.35	1.58	1.61	2.70	2.09
1920	2.20	1.58	1.46	1.32	1.28	2.30	1.77
Median (8 years)	2.37	1.81	1.42	1.31	1.57	2.79	1.96
Rhode Island:							
1921	2.16	1.68	1.00	.61	1.11	1.45	1.57
1920	3.44	1.78	.91	.95	1.48	1.80	2.08
Median (6 years)	2.13	1.57	1.12	1.10	1.41	2.08	1.68
Connecticut:							
1921	3.13	1.62	1.23	1.29	1.91	3.05	2.17
1920	2.87	1.99	1.27	1.39	1.64	3.53	2.24
Median (8 years)	2.10	1.50	1.24	.96	1.59	2.74	1.73
MIDDLE ATLANTIC.							
New York:							
1921	3.68	2.69	1.26	1.22	1.39	2.18	2.52
1920	2.50	2.31	1.50	1.12	1.17	2.26	2.05
Median (8 years)	2.36	2.28	1.61	1.19	1.33	2.24	2.03
New Jersey:							
1921	3.05	2.31	1.25	1.27	1.60	2.75	2.30
1920	2.23	1.68	1.08	.93	1.38	2.82	1.79
Median (8 years)	2.15	1.87	1.46	1.17	1.67	2.82	1.92
Pennsylvania:							
1921	2.48	1.72	1.10	1.54	2.22	3.63	2.11
1920	1.99	1.25	.99	.94	1.59	2.96	1.62
Median (8 years)	1.85	1.32	1.11	1.18	1.88	2.87	1.65
EAST NORTH CENTRAL.							
Ohio:							
1921	1.81	1.26	1.04	1.71	4.46	8.21	2.46
1920	1.05	.68	.55	.72	1.46	3.35	1.13
Median (7 years)	1.33	.85	.72	.85	1.55	2.71	1.24
Indiana:							
1921	1.11	.94	.74	.98	3.52	7.16	1.86
1920	.71	.51	.39	.31	.50	1.54	.64
Median (8 years)	1.09	.52	.51	.71	1.06	2.35	.95
Illinois:							
1921	2.75	1.95	1.35	1.52	2.91	6.67	2.65
1920	1.92	1.36	1.10	.96	1.67	3.52	1.71
Median (6 years)	1.90	1.38	1.15	.95	1.45	2.45	1.58
Michigan:							
1921	3.39	2.34	1.43	1.99	3.05	4.95	2.86
1920	2.39	2.12	1.97	1.78	2.08	4.08	2.34
Median (8 years)	1.64	1.30	1.28	1.12	1.42	2.33	1.50
Wisconsin:							
1921	2.22	1.14	.81	1.06	1.43	3.71	1.71
1920	.90	.65	.78	.86	.94	2.06	.93
Median (8 years)	.85	.70	.64	.65	.73	1.25	.79
WEST NORTH CENTRAL.							
Minnesota:							
1921	1.37	1.11	.80	1.01	2.14	3.88	1.53
1920	1.40	1.06	1.10	1.38	1.35	2.03	1.32
Median (8 years)	1.39	1.34	1.17	1.20	1.22	2.12	1.39
Iowa:							
1921	.63	.49	.26	.33	1.39	1.84	.72
1920	.38	.27	.26	.30	.48	.95	.39
Median (7 years)	.35	.27	.20	.16	.30	.59	.31
North Dakota:							
1921	2.02	.74	1.10	.88	.95	1.23	1.24
1920	1.04	.44	.78	.79	.98	3.60	1.06
Median (4 years)	.75	.46	.67	.54	.88	1.38	.71
South Dakota:							
1921	.69	.63	.56	.37	1.10	1.47	.74
1920	.52	.41	1.22	1.11	.41	.90	64
Median (6 years)	.40	.35	50	44	.27	.48	.39

Diphtheria—Annual case rates per 1,000 population, January to October, 1921 and 1920, and medians for the years 1913 to 1920, inclusive—Continued.

Geographic division and State.	January, February, March.	April, May, June.	July.	August.	September.	October.	10 months.
WEST NORTH CENTRAL—contd.							
Nebraska:							
1921	0.58	0.59	0.40	0.78	1.68	3.00	0.94
1920	.59	.32	.14	.32	1.06	1.70	.59
Median (1918-1920)	.42	.36	.16	.33	.89	.74	.45
Kansas:							
1921	2.39	.99	1.24	1.58	7.25	13.63	3.38
1920	1.08	.54	.40	.74	2.61	8.07	1.67
Median (8 years)	.83	.49	.40	.40	.78	2.37	.79
SOUTH ATLANTIC.							
Delaware:							
1921	.88	.83	.53	.64	.80	1.70	.88
1920	1.39	.89	.27	.48	.48	2.14	1.02
Median [1]							
Maryland:							
1921	1.88	1.21	.72	1.01	1.21	2.99	1.52
1920	2.09	1.06	.76	.60	1.19	2.49	1.45
Median (6 years)	1.60	.76	.66	.69	1.36	2.34	1.21
District of Columbia:							
1921	2.65	.85	.37	.24	1.30	2.46	1.49
1920	1.94	1.09	.49	.95	.95	2.00	1.35
Median (8 years)	1.47	1.14	.56	.50	.91	2.17	1.20
Virginia:							
1921	1.47	.51	1.10	2.41	3.75	6.30	1.95
1920	.88	.46	.35	.65	2.12	5.21	1.23
Median (8 years)	.84	.35	.35	.97	2.24	3.25	1.04
West Virginia:							
1921	1.50	.60	.74	1.40	3.20	9.30	2.09
1920	1.47	.59	.46	.54	1.13	3.12	1.14
Median (4 years)	.47	.33	.34	.56	1.31	2.10	.67
North Carolina:							
1921	.69	.34	.69	2.46	5.33	6.14	1.77
1920	.71	.35	.27	.82	2.80	4.30	1.14
Median (1918-1920)	.37	.32	.31	.84	2.84	4.36	1.04
South Carolina:							
1921	1.12	.41	.81	1.93	4.06	4.51	1.59
1920	.80	.44	.41	.63	2.96	3.66	1.14
Median (8 years)	.59	.39	.38	1.13	2.41	2.74	.96
Florida:							
1921	.80	.35	.56	.62	1.28	1.22	.71
1920	.57	.20	.21	.39	.74	1.23	.49
Median (1918-1920)	.37	.19	.19	.26	.75	1.07	.39
EAST SOUTH CENTRAL.							
Alabama:							
1921	.22	.14	.25	1.08	1.23	1.88	.55
1920	.29	.13	.18	.33	1.01	1.35	.41
Median (7 years)	.21	.12	.18	.34	.77	.70	.30
Mississippi:							
1921	.68	.30	1.07	2.08	4.30	4.63	1.50
1920	.64	.29	.45	1.23	2.88	3.64	1.10
Median (7 years)	.38	.23	.33	.70	1.11	1.43	.54
WEST SOUTH CENTRAL.							
Arkansas:							
1921	.51	.13	.27	.53	.51	1.07	.43
1920	.42	.18	.12	.37	1.27	1.69	.52
Median (4 years)	.14	.07	.03	.12	.34	.96	.21
Louisana:							
1921	.39	.19	.31	.21	.45	.82	.35
1920	.40	.18	.13	.19	.29	.33	.27
Median (7 years)	.46	.28	.30	.41	.54	.51	.40
Oklahoma:							
1921	.47	.15	.10	.30	1.01	1.50	.48
1920 [1]							
Median (1913, 1915, 1917)	.46	.21	.17	.29	.53	.94	.39

[1] Not available.

Diphtheria—Annual case rates per 1,000 population, January to October, 1921 and 1920, and medians for the years 1913 to 1920, inclusive—Continued.

Geographic division and State.	January, February, March.	April, May, June.	July.	August.	September.	October.	10 months.
MOUNTAIN.							
Montana:							
1921	0.74	0.51	0.29	0.33	0.56	1.19	0.61
1920	.57	.42	.54	.17	.45	.56	.47
Median (7 years)	.55	.44	.59	.36	.40	.62	.49
Idaho:							
1921	.27	.26	.21	.24	.75	.27	.31
1920	.17	.13	.14	.30	.91	.41	.27
Average (1913, 1920)	.14	.11	.12	.21	.50	.21	.18
Wyoming:							
1921	.57	.53	.24	.24	1.13	1.01	.59
1920	.47	.14	.24	.06	.55	.49	.32
Median (8 years)	.37	.13	.20	.07	.59	.46	.28
Colorado:							
1921	2.13	2.03	1.78	2.35	3.28	4.23	2.41
1920	.53	.64	.70	.80	1.88	1.96	.88
Median (6 years)	.53	.61	.60	.53	.86	1.01	.64
New Mexico:							
1921	4.70	3.58	2.89	1.87	3.15	4.30	3.70
1920	1.19	2.15	2.15	1.23	1.49	3.84	1.88
Median [1]							
Arizona:							
1921	.33	.16	.07	.17	.17	1.53	.34
1920	.35	.18	.07	.11	.21	.53	.25
Median (4 years)	.16	.13	.12	.08	.08	.20	.14
PACIFIC.							
Washington:							
1921	1.01	.74	.66	.46	.94	1.68	.90
1920	1.01	.76	.49	.64	.64	1.48	.86
Median (8 years)	.50	.39	.32	.30	.36	.40	.41
Oregon:							
1921	1.69	.83	1.99	1.20	1.81	3.03	1.56
1920	.47	.38	.20	.20	.52	1.44	.49
Median (8 years)	.37	.36	.21	.24	.29	.43	.33
California:							
1921	1.99	2.06	1.33	1.98	1.76	3.50	2.07
1920	1.93	1.48	.91	.72	1.40	1.63	1.49
Median (8 years)	1.08	.91	.67	.64	.65	1.22	.92
Above States combined:							
1921	2.02	1.40	.99	1.34	2.36	4.09	1.90
1920	1.50	1.09	.86	.85	1.41	2.69	1.36
Median	1.31	1.02	.83	.83	1.28	2.08	1.20

[1] Not available.

SCARLET FEVER IN THE UNITED STATES.

The accompanying table shows the number of reported cases of scarlet fever per 1,000 population by quarters, from January to June, and by months, from July to October, 1921, compared with the same periods during 1920, and the medians for 1913 to 1920, inclusive.

The median was ascertained by arraying the figures so that the greatest number was first, the next smaller number was second, and so on to the smallest number, which was placed last. The middle number of the array was then selected as the median. Data were not available for all the States for the full eight years. As many years as possible were included for each State, but no year earlier than 1913 was used. The first column shows the number of years for which figures were obtained for each State.